

Robert W Li

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93
papers

2,330
citations

28
h-index

45
g-index

99
ext. papers

3,124
ext. citations

4.3
avg, IF

5.05
L-index

#	Paper	IF	Citations
93	Characterization of the rumen microbiota of pre-ruminant calves using metagenomic tools. <i>Environmental Microbiology</i> , 2012 , 14, 129-39	5.2	214
92	Alterations in the porcine colon microbiota induced by the gastrointestinal nematode <i>Trichuris suis</i> . <i>Infection and Immunity</i> , 2012 , 80, 2150-7	3.7	148
91	Worm burden-dependent disruption of the porcine colon microbiota by <i>Trichuris suis</i> infection. <i>PLoS ONE</i> , 2012 , 7, e35470	3.7	95
90	Butyrate induces profound changes in gene expression related to multiple signal pathways in bovine kidney epithelial cells. <i>BMC Genomics</i> , 2006 , 7, 234	4.5	84
89	The effect of helminth infection on the microbial composition and structure of the caprine abomasal microbiome. <i>Scientific Reports</i> , 2016 , 6, 20606	4.9	74
88	Perturbation dynamics of the rumen microbiota in response to exogenous butyrate. <i>PLoS ONE</i> , 2012 , 7, e29392	3.7	67
87	A previously uncharacterized, nonphotosynthetic member of the Chromatiaceae is the primary CO ₂ -fixing constituent in a self-regenerating biocathode. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 699-712	4.8	65
86	The Bacterial Community Composition of the Bovine Rumen Detected Using Pyrosequencing of 16S rRNA Genes 2012 , 1, 1-11		56
85	Gene expression in bovine rumen epithelium during weaning identifies molecular regulators of rumen development and growth. <i>Functional and Integrative Genomics</i> , 2013 , 13, 133-42	3.8	54
84	Pathway analysis identifies perturbation of genetic networks induced by butyrate in a bovine kidney epithelial cell line. <i>Functional and Integrative Genomics</i> , 2007 , 7, 193-205	3.8	53
83	Lowbush wild blueberries have the potential to modify gut microbiota and xenobiotic metabolism in the rat colon. <i>PLoS ONE</i> , 2013 , 8, e67497	3.7	53
82	Identification of estrogen-responsive genes in the parenchyma and fat pad of the bovine mammary gland by microarray analysis. <i>Physiological Genomics</i> , 2006 , 27, 42-53	3.6	52
81	Integrated metagenomic and metaproteomic analyses of marine biofilm communities. <i>Biofouling</i> , 2014 , 30, 1211-23	3.3	49
80	Mastitis associated transcriptomic disruptions in cattle. <i>Veterinary Immunology and Immunopathology</i> , 2010 , 138, 267-79	2	47
79	Neogargarotetraose protects mice against intense exercise-induced fatigue damage by modulating gut microbial composition and function. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1600585	5.9	46
78	Possible mechanisms of host resistance to <i>Haemonchus contortus</i> infection in sheep breeds native to the Canary Islands. <i>Scientific Reports</i> , 2016 , 6, 26200	4.9	46
77	The valproic acid rat model of autism presents with gut bacterial dysbiosis similar to that in human autism. <i>Molecular Autism</i> , 2018 , 9, 61	6.5	46

76	Genome wide analysis of the bovine mucin genes and their gastrointestinal transcription profile. <i>BMC Genomics</i> , 2011 , 12, 140	4.5	43
75	Metagenome plasticity of the bovine abomasal microbiota in immune animals in response to <i>Ostertagia ostertagi</i> infection. <i>PLoS ONE</i> , 2011 , 6, e24417	3.7	41
74	Chondroitin sulfate disaccharides modified the structure and function of the murine gut microbiome under healthy and stressed conditions. <i>Scientific Reports</i> , 2017 , 7, 6783	4.9	40
73	Transcriptome characterization by RNA-seq unravels the mechanisms of butyrate-induced epigenomic regulation in bovine cells. <i>PLoS ONE</i> , 2012 , 7, e36940	3.7	39
72	Suppression of Aflatoxin Biosynthesis in <i>Aspergillus flavus</i> by 2-Phenylethanol Is Associated with Stimulated Growth and Decreased Degradation of Branched-Chain Amino Acids. <i>Toxins</i> , 2015 , 7, 3887-902	4.9	38
71	Quantification of Transcriptome Responses of the Rumen Epithelium to Butyrate Infusion using RNA-seq Technology. <i>Gene Regulation and Systems Biology</i> , 2012 , 6, 67-80	2	37
70	Local inflammation as a possible mechanism of resistance to gastrointestinal nematodes in Angus heifers. <i>Veterinary Parasitology</i> , 2007 , 145, 100-7	2.8	37
69	Characterization of the abomasal transcriptome for mechanisms of resistance to gastrointestinal nematodes in cattle. <i>Veterinary Research</i> , 2011 , 42, 114	3.8	36
68	A temporal shift in regulatory networks and pathways in the bovine small intestine during <i>Cooperia oncophora</i> infection. <i>International Journal for Parasitology</i> , 2009 , 39, 813-24	4.3	36
67	Identification of blaOXA-like, blaOXA- β blaDIM- β and blaVIM carbapenemase genes in hospital Enterobacteriaceae isolates from Sierra Leone. <i>Journal of Clinical Microbiology</i> , 2013 , 51, 2435-8	9.7	34
66	Canonical pathways and networks regulated by estrogen in the bovine mammary gland. <i>Functional and Integrative Genomics</i> , 2008 , 8, 55-68	3.8	34
65	Method development for metaproteomic analyses of marine biofilms. <i>Analytical Chemistry</i> , 2012 , 84, 4006-13	7.8	27
64	Genome-wide ChIP-seq mapping and analysis reveal butyrate-induced acetylation of H3K9 and H3K27 correlated with transcription activity in bovine cells. <i>Functional and Integrative Genomics</i> , 2012 , 12, 119-30	3.8	27
63	Mechanistic insights into the attenuation of intestinal inflammation and modulation of the gut microbiome by krill oil using in vitro and in vivo models. <i>Microbiome</i> , 2020 , 8, 83	16.6	26
62	Cytoskeleton remodeling and alterations in smooth muscle contractility in the bovine jejunum during nematode infection. <i>Functional and Integrative Genomics</i> , 2012 , 12, 35-44	3.8	26
61	Infection with the gastrointestinal nematode <i>Ostertagia ostertagi</i> in cattle affects mucus biosynthesis in the abomasum. <i>Veterinary Research</i> , 2011 , 42, 61	3.8	25
60	Transcriptome analysis revealed anti-obesity effects of the Sodium Alginate in high-fat diet-induced obese mice. <i>International Journal of Biological Macromolecules</i> , 2018 , 115, 861-870	7.9	22
59	Mucin biosynthesis in the bovine goblet cell induced by <i>Cooperia oncophora</i> infection. <i>Veterinary Parasitology</i> , 2009 , 165, 281-9	2.8	22

58	Inhibition of Tumor Growth by Dietary Indole-3-Carbinol in a Prostate Cancer Xenograft Model May Be Associated with Disrupted Gut Microbial Interactions. <i>Nutrients</i> , 2019 , 11,	6.7	21
57	Interleukin-17 receptor A (IL-17RA) as a central regulator of the protective immune response against <i>Giardia</i> . <i>Scientific Reports</i> , 2017 , 7, 8520	4.9	20
56	<i>Aspergillus flavus</i> aswA, a gene homolog of <i>Aspergillus nidulans</i> oefC, regulates sclerotial development and biosynthesis of sclerotium-associated secondary metabolites. <i>Fungal Genetics and Biology</i> , 2017 , 104, 29-37	3.9	19
55	Microarray analysis of the intestinal host response in <i>Giardia duodenalis</i> assemblage E infected calves. <i>PLoS ONE</i> , 2012 , 7, e40985	3.7	19
54	Characterization of the longissimus lumborum transcriptome response to adding propionate to the diet of growing Angus beef steers. <i>Physiological Genomics</i> , 2012 , 44, 543-50	3.6	18
53	Butyrate induced cell cycle arrest in bovine cells through targeting gene expression relevant to DNA replication apparatus. <i>Gene Regulation and Systems Biology</i> , 2008 , 2, 113-23	2	18
52	Transcriptomic Analysis of Persistent Infection with Foot-and-Mouth Disease Virus in Cattle Suggests Impairment of Apoptosis and Cell-Mediated Immunity in the Nasopharynx. <i>PLoS ONE</i> , 2016 , 11, e0162750	3.7	18
51	Comparison of the transcriptomes of long-term label retaining-cells and control cells microdissected from mammary epithelium: an initial study to characterize potential stem/progenitor cells. <i>Frontiers in Oncology</i> , 2013 , 3, 21	5.3	17
50	Localized complement activation in the development of protective immunity against <i>Ostertagia ostertagi</i> infections in cattle. <i>Veterinary Parasitology</i> , 2010 , 174, 247-56	2.8	17
49	Transcriptome analysis unraveled potential mechanisms of resistance to <i>Haemonchus contortus</i> infection in Merino sheep populations bred for parasite resistance. <i>Veterinary Research</i> , 2019 , 50, 7	3.8	16
48	The vitamin D receptor and inducible nitric oxide synthase associated pathways in acquired resistance to <i>Cooperia oncophora</i> infection in cattle. <i>Veterinary Research</i> , 2011 , 42, 48	3.8	16
47	Transcriptomic Profile of Whole Blood Cells from Elderly Subjects Fed Probiotic Bacteria <i>Lactobacillus rhamnosus</i> GG ATCC 53103 (LGG) in a Phase I Open Label Study. <i>PLoS ONE</i> , 2016 , 11, e0147426	2.7	16
46	Astaxanthin -Octanoic Acid Diester Ameliorates Insulin Resistance and Modulates Gut Microbiota in High-Fat and High-Sucrose Diet-Fed Mice. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	15
45	Chimeric classical swine fever (CSF)-Japanese encephalitis (JE) viral replicon as a non-transmissible vaccine candidate against CSF and JE infections. <i>Virus Research</i> , 2012 , 165, 61-70	6.4	14
44	Malvidin 3-Glucoside Modulated Gut Microbial Dysbiosis and Global Metabolome Disrupted in a Murine Colitis Model Induced by Dextran Sulfate Sodium. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1900455	5.9	13
43	<i>Ascaris suum</i> infection was associated with a worm-independent reduction in microbial diversity and altered metabolic potential in the porcine gut microbiome. <i>International Journal for Parasitology</i> , 2019 , 49, 247-256	4.3	12
42	Selection of internal reference genes for normalization of reverse transcription quantitative polymerase chain reaction (RT-qPCR) analysis in the rumen epithelium. <i>PLoS ONE</i> , 2017 , 12, e0172674	3.7	12
41	Transcriptomic alterations in human prostate cancer cell LNCaP tumor xenograft modulated by dietary phenethyl isothiocyanate. <i>Molecular Carcinogenesis</i> , 2013 , 52, 426-37	5	12

40	Granule exocytosis of granzysin and granzyme B as a potential key mechanism in vaccine-induced immunity in cattle against the nematode <i>Ostertagia ostertagi</i> . <i>Infection and Immunity</i> , 2013 , 81, 1798-809	3.7	12
39	Effects of <i>Eimeria maxima</i> and <i>Clostridium perfringens</i> infections on cecal microbial composition and the possible correlation with body weight gain in broiler chickens. <i>Research in Veterinary Science</i> , 2020 , 132, 142-149	2.5	11
38	Food-grade carrageenans and their implications in health and disease. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021 , 20, 3918-3936	16.4	11
37	Exploring the host transcriptome for mechanisms underlying protective immunity and resistance to nematode infections in ruminants. <i>Veterinary Parasitology</i> , 2012 , 190, 1-11	2.8	10
36	Alternative splicing regulated by butyrate in bovine epithelial cells. <i>PLoS ONE</i> , 2012 , 7, e39182	3.7	10
35	Metagenomic insights into the RDX-degrading potential of the ovine rumen microbiome. <i>PLoS ONE</i> , 2014 , 9, e110505	3.7	10
34	Polymannuronic acid prevents dopaminergic neuronal loss via brain-gut-microbiota axis in Parkinson's disease model. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 994-1005	7.9	10
33	<i>Escherichia coli</i> O-Antigen Gene Clusters of Serogroups O62, O68, O131, O140, O142, and O163: DNA Sequences and Similarity between O62 and O68, and PCR-Based Serogrouping. <i>Biosensors</i> , 2015 , 5, 51-68	5.9	8
32	Transcriptomic Impacts of Rumen Epithelium Induced by Butyrate Infusion in Dairy Cattle in Dry Period. <i>Gene Regulation and Systems Biology</i> , 2018 , 12, 1177625018774798	2	8
31	Characterization of a Lytic Bacteriophage as an Antimicrobial Agent for Biocontrol of Shiga Toxin-Producing O145 Strains. <i>Antibiotics</i> , 2019 , 8,	4.9	7
30	Microbial Co-Occurrence Patterns and Keystone Species in the Gut Microbial Community of Mice in Response to Stress and Chondroitin Sulfate Disaccharide. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	7
29	Genistein Reduces the Risk of Local Mammary Cancer Recurrence and Ameliorates Alterations in the Gut Microbiota in the Offspring of Obese Dams. <i>Nutrients</i> , 2021 , 13,	6.7	7
28	Splice variants and regulatory networks associated with host resistance to the intestinal worm <i>Cooperia oncophora</i> in cattle. <i>Veterinary Parasitology</i> , 2015 , 211, 241-50	2.8	6
27	Transcriptomic Sequencing Reveals a Set of Unique Genes Activated by Butyrate-Induced Histone Modification. <i>Gene Regulation and Systems Biology</i> , 2016 , 10, 1-8	2	6
26	Diet-induced changes in bacterial communities in the jejunum and their associations with bile acids in Angus beef cattle. <i>Animal Microbiome</i> , 2020 , 2, 33	4.1	6
25	Effects of Differences in Resistant Starch Content of Rice on Intestinal Microbial Composition. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 8017-8027	5.7	6
24	Transcriptomic analysis reveals effects of fucoxanthin on intestinal glucose transport. <i>Journal of Functional Foods</i> , 2018 , 49, 205-213	5.1	6
23	Bioinformatic Dissecting of TP53 Regulation Pathway Underlying Butyrate-induced Histone Modification in Epigenetic Regulation. <i>Genetics & Epigenetics</i> , 2014 , 6, 1-7		5

22	Butyrate Induced IGF2 Activation Correlated with Distinct Chromatin Signatures Due to Histone Modification. <i>Gene Regulation and Systems Biology</i> , 2013 , 7, 57-70	2	5
21	Alpha-Tocopherol Alters Transcription Activities that Modulates Tumor Necrosis Factor Alpha (TNF- α) Induced Inflammatory Response in Bovine Cells. <i>Gene Regulation and Systems Biology</i> , 2012 , 6, 1-14	2	5
20	Web-based bioinformatics workflows for end-to-end RNA-seq data computation and analysis in agricultural animal species. <i>BMC Genomics</i> , 2016 , 17, 761	4.5	5
19	Rumen Metagenomics 2015 , 223-245		4
18	Gut microbial signatures associated with moxidectin treatment efficacy of <i>Haemonchus contortus</i> in infected goats. <i>Veterinary Microbiology</i> , 2020 , 242, 108607	3.3	4
17	A new paraprobiotic-based treatment for control of <i>Haemonchus contortus</i> in sheep. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2020 , 14, 230-236	4	4
16	Molecular and metabolomic changes in the proximal colon of pigs infected with <i>Trichuris suis</i> . <i>Scientific Reports</i> , 2020 , 10, 12853	4.9	4
15	<i>Neospora caninum</i> : comparative gene expression profiling of <i>Neospora caninum</i> wild type and a temperature sensitive clone. <i>Experimental Parasitology</i> , 2011 , 129, 346-54	2.1	3
14	Absorbability of Astaxanthin Was Much Lower in Obese Mice Than in Normal Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 11161-11169	5.7	3
13	Molecular and Microbial Signatures Predictive of Prebiotic Action of Neogartetraose in a Dextran Sulfate Sodium-Induced Murine Colitis Model. <i>Microorganisms</i> , 2020 , 8,	4.9	2
12	Complete Genome Sequence of Escherichia coli Phage vB_EcoS Sa179lw, Isolated from Surface Water in a Produce-Growing Area in Northern California. <i>Genome Announcements</i> , 2018 , 6,		2
11	Complete Genome Sequence of Escherichia coli Phage vB_EcoM Sa157lw, Isolated from Surface Water Collected in Salinas, California. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	1
10	Temporal dynamics in meta longitudinal RNA-Seq data. <i>Scientific Reports</i> , 2019 , 9, 763	4.9	1
9	Gut Microbial Composition in Mice Fed Different Amount of Rice Resistant Starch (P21-031-19). <i>Current Developments in Nutrition</i> , 2019 , 3,	0.4	1
8	An inactivated bacterium (paraprobiotic) expressing Cry5B as a therapeutic for and spp. infections in large animals. <i>One Health</i> , 2021 , 12, 100241	7.6	1
7	Transcriptome analysis reveals the protective role of fructo-oligosaccharide in colonic mucosal barriers in exercise-induced stressed mice. <i>Food and Function</i> , 2021 , 12, 4484-4495	6.1	1
6	Triacylglycerol rich in docosahexaenoic acid regulated appetite via the mediation of leptin and intestinal epithelial functions in high-fat, high-sugar diet-fed mice. <i>Journal of Nutritional Biochemistry</i> , 2022 , 99, 108856	6.3	1
5	Microbial Composition and Co-occurrence Patterns in the Gut Microbial Community of Normal and Obese Mice in Response to Astaxanthin. <i>Frontiers in Microbiology</i> , 2021 , 12, 671271	5.7	1

- 4 Assembly and Analysis of Changes in Transcriptomes of Dairy Cattle Rumen Epithelia during Lactation and Dry Periods. *Agricultural Sciences*, **2018**, 09, 619-638 0.4 0
- 3 Microbial Co-occurrence Patterns and Keystone Species in the Gut Microbial Community of Mice in Response to Stress and Chondroitin Sulfate Disaccharide. *FASEB Journal*, **2019**, 33, lb300 0.9
- 2 Cytochrome P450 Induction and Gene Expression in Channel Catfish (*Ictalurus Punctatus*) Following Wastewater Treatment Plant Effluent Exposure in Field and Laboratory Settings. *Journal of Environmental Protection*, **2010**, 01, 362-373 0.6
- 1 Nutrients and Epigenetics in Bovine Cells 161-177